

## **Composite coatings with chromium-molybdenum matrix**

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### **Abstract**

A potentiality for producing the composite electrochemical coatings is considered through chromium alloying and modifying by the inclusions of dispersed phase in its matrix. Molybdenum powder dissolution in standard chromizing electrolyte is studied followed by introduction of graphite and boron to produce a polycomposite coatings. Tests for corrosion resistance, heat resistance and wear resistance of coatings produced showed that their working characteristics are superior to ordinary chromium coatings.

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